RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,158

Source: PCT

Date Processed by STIC: 3/31/06

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PCT

RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/520,158   TIME: 15:40:57

        Input Set : **F:\SEQUENCE LISTING.txt**
        Output Set: **N:\CRF4\03312006\J520158.raw**

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     3 <110> APPLICANT: Micronas Holding GmbH
     4        Klapproth, Holger
     6 <120> TITLE OF INVENTION: Composition and process for stabilizing of biomolecules
     8 <130> FILE REFERENCE: 1034
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/520,158
C--> 11 <141> CURRENT FILING DATE: 2005-01-04
    13 <160> NUMBER OF SEQ ID NOS: 9
    15 <170> SOFTWARE: PatentIn Ver. 2.1
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 11
    19 <212> TYPE: PRT
    20 <213> ORGANISM: Artificial sequence
    22 <220> FEATURE:
    23 <223> OTHER INFORMATION: Description of the artificial sequence: Motif of the LEA
class
    25 <220> FEATURE:
    26 <223> OTHER INFORMATION: Amino acid position 1: X= K or T
    28 <220> FEATURE:
    29 <223> OTHER INFORMATION: Amino acid position 2: X=A or G or K or M or T
    31 <220> FEATURE:
    32 <223> OTHER INFORMATION: Amino acid position 3: X=R or D or A or E or Q or K
    34 <220> FEATURE:
    35 <223> OTHER INFORMATION: Amino acid position 4: X= E or K or S
    37 <220> FEATURE:
    38 <223> OTHER INFORMATION: Amino acid position 5: X= T or F or Y or A
    40 <220> FEATURE:
    41 <223> OTHER INFORMATION: Amino acid position 6: X= K or R or T or A
    43 <220> FEATURE:
    44 <223> OTHER INFORMATION: Amino acid position 7: X= D or E or Q
    46 <220> FEATURE:
    47 <223> OTHER INFORMATION: Amino acid position 8: X= S or R or Y or K
    49 <220> FEATURE:
    50 <223> OTHER INFORMATION: Amino acid position 9: X= A or T
    52 <220> FEATURE:
    53 <223> OTHER INFORMATION: Amino acid position 10: X= G or A or R
    55 <400> SEQUENCE: 1
W--> 56 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu
    57   1                   5                   10
    60 <210> SEQ ID NO: 2
    61 <211> LENGTH: 11
    62 <212> TYPE: PRT
    63 <213> ORGANISM: Aphelenchus avenae
    65 <400> SEQUENCE: 2
    66 Lys Thr Ala Glu Phe Arg Asp Ser Ala Gly Glu
```

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67   1              5                 10
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 11
72 <212> TYPE: PRT
73 <213> ORGANISM: Aphelenchus avenae
75 <400> SEQUENCE: 3
76 Lys Gly Gln Glu Phe Lys Glu Arg Ala Gly Glu
77   1              5                 10
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 11
82 <212> TYPE: PRT
83 <213> ORGANISM: Aphelenchus avenae
85 <400> SEQUENCE: 4
86 Lys Ala Glu Glu Thr Lys Gln Arg Ala Gly Glu
87   1              5                 10
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91 <211> LENGTH: 11
92 <212> TYPE: PRT
93 <213> ORGANISM: Aphelenchus avenae
95 <400> SEQUENCE: 5
96 Lys Met Asp Glu Thr Lys Gln Arg Ala Gly Glu
97   1              5                 10
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 11
102 <212> TYPE: PRT
103 <213> ORGANISM: Betula pendula
105 <400> SEQUENCE: 6
106 Lys Ala Arg Lys Thr Lys Asp Ser Ala Ala Glu
107   1              5                 10
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 11
112 <212> TYPE: PRT
113 <213> ORGANISM: Betula pendula
115 <400> SEQUENCE: 7
116 Lys Ala Lys Glu Tyr Lys Asp Tyr Thr Ala Glu
117   1              5                 10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 11
122 <212> TYPE: PRT
123 <213> ORGANISM: Betula pendula
125 <400> SEQUENCE: 8
126 Lys Ala Arg Glu Thr Thr Glu Lys Ala Arg Glu
127   1              5                 10
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 11
132 <212> TYPE: PRT
133 <213> ORGANISM: Betula pendula
135 <400> SEQUENCE: 9
136 Thr Lys Asp Ser Ala Ala Glu Lys Ala Arg Glu
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PATENT APPLICATION: **US/10/520,158**   TIME: 15:40:57

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137   1   5   10

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: US/10/520,158   TIME: 15:40:58

Input Set : **F:\SEQUENCE LISTING**.txt
Output Set: **N:\CRF4\03312006\J520158.raw**

<u>**Please Note:**</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10

VARIABLE LOCATION SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: US/10/520,158   TIME: 15:40:58

Input Set : **F:\SEQUENCE LISTING.txt**
Output Set: **N:\CRF4\033\12006\J520158.raw**

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10

VERIFICATION SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: **US/10/520,158**   TIME: 15:40:58

Input Set : **F:\SEQUENCE LISTING.txt**
Output Set: **N:\CRF4\03312006\J520158.raw**

```
L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:56 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:56 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
```